

Content Usage and the Most Frequently Read Articles of 2018

Phil Lupo, MLIS, Anne Victoria Neale, PhD, MPH, Marjorie A. Bowman, MD, MPA, and Dean Seebusen, MD, MPH (J Am Board Fam Med 2019;32:288–291.)

2018 was the 31st year of print and 16th year of online publication of the *Journal of the American Board of Family Medicine (JABFM)*. Here we provide our annual report of articles published in 2018 that were of greatest interest to our readers. Table 1 shows the 3 most frequently read articles by issue in 2018 from Volume 31. Once again, original research proves to be the most-read type of article. In Table 2, we provide the 20 most frequently read articles in 2018 from all volumes (Volume 1 to 31). Historically, clinical articles tend to be the most read.

In addition, we provide an update on the content usage statistics over the past 8 years. Figure 1 illustrates the number of total access events for *JABFM* content from 2011 to 2018. The year 2018 was the busiest year for online usage activity in *JABFM*'s history, with an average of 843,773 content usage requests a month, and a total of 10.125 million during the year. Content activity was up 9% in 2018 compared with content usage requests during 2017 and, when compared with 2011, we note a 111% increase. Full-text articles were the most accessed during 2018, with an average of 185,768 monthly requests, followed by PDF articles, with 63,749 average monthly requests, and then abstracts, with 51,855 average monthly requests.

As always, we welcome reader feedback about published articles. Letters to the editor can also be submitted for peer review and publication using the author portal.

To see this article online, please go to: <http://jabfm.org/content/32/3/288.full>.

References

1. Hurley LP, Allison MA, Pilishvili T, et al. Primary care physicians' struggle with current adult pneumo-

coccal vaccine recommendations. *J Am Board Fam Med* 2018;31:94–104.

2. Sattler A, Rydel T, Nguyen C, Lin S. One year of family physicians' observations on working with medical scribes. *J Am Board Fam Med* 2018;31:49–56.
3. Salvatore M, Ishikawa G, Padilla M. Is it idiopathic pulmonary fibrosis or not? *J Am Board Fam Med* 2018;31:151–62.
4. Allen SM, Mookadam F, Cha SS, Freeman JA, Starling AJ, Mookadam M. Greater occipital nerve block for acute treatment of migraine headache: A large retrospective cohort study. *J Am Board Fam Med* 2018;31:211–8.
5. Johnson D, Mead R, Kennelty K, Hahn D. Menthol cough drops: Cause for concern? *J Am Board Fam Med* 2018;31:183–91.
6. Peterson LE, Fang B, Puffer JC, Bazemore AW. Wide gap between preparation and scope of practice of early career family physicians. *J Am Board Fam Med* 2018;31:181–2.
7. Liddy C, Keely E. Using the Quadruple Aim framework to measure impact of health technology implementation: A case study of eConsult. *J Am Board Fam Med* 2018;31(3):445–55.
8. Tong ST, Liaw WR, Kashiri PL, et al. Clinician experiences with screening for social needs in primary care. *J Am Board Fam Med* 2018;31:351–63.
9. Kato E, Borsky AE, Zuvekas SH, Soni A, Ngo-Metzger Q. Missed opportunities for depression screening and treatment in the United States. *J Am Board Fam Med* 2018;31:389–97.
10. Blechter B, Jiang N, Cleland C, Berry C, Ogedegbe O, Shelley D. Correlates of burnout in small independent primary care practices in an urban setting. *J Am Board Fam Med* 2018;31(4):529–36.
11. Williams AS, Ge B, Petroski G, Kruse RL, McElroy JA, Koopman RJ. Socioeconomic status and other factors associated with childhood obesity. *J Am Board Fam Med* 2018;31:514–21.
12. Kaplan AC, Carson MP. Diagnosing meat allergy after tick bite without delay. *J Am Board Fam Med* 2018;31:650–2.
13. Blasi PR, Crompton D, McDonald S, et al. Approaches to behavioral health integration at high performing primary care practices. *J Am Board Fam Med* 2018;31:691–701.

Conflict of interest: The authors are editors of the *JABFM*.

Table 1. The Three Most Frequently Read Articles in the *Journal of the American Board of Family Medicine*, 2018, Volume 31, By Issue**January/February 2018**

1. Hurley LP, Allison MA, Piliashvili T, et al. Primary care physicians' struggle with current adult pneumococcal vaccine recommendations. Original Research: <https://www.jabfm.org/content/31/1/94>
2. Sattler A, Rydel T, Nguyen C, Lin S. One year of family physicians' observations on working with medical scribes. Original Research: <https://www.jabfm.org/content/31/1/49>
3. Salvatore M, Ishikawa G, Padilla M. Is it idiopathic pulmonary fibrosis or not? Clinical Review: <https://www.jabfm.org/content/31/1/151>

March/April 2018

1. Allen SM, Mookadam F, Cha SS, Freeman JA, Starling AJ, Mookadam M. Greater occipital nerve block for acute treatment of migraine headache: a large retrospective cohort study. Original Research: <https://www.jabfm.org/content/31/2/211>
2. Johnson D, Mead R, Kennelty K, Hahn D. Menthol cough drops: cause for concern? Original Research: <https://www.jabfm.org/content/31/2/183>
3. Peterson LE, Fang B, Puffer JC, Bazemore AW. Wide gap between preparation and scope of practice of early career family physicians. Policy Brief: <https://www.jabfm.org/content/31/2/181>

May/June 2018

1. Liddy C, Keely E. Using the quadruple aim framework to measure impact of health technology implementation: a case study of eConsult. Original Research: <https://www.jabfm.org/content/31/3/445>
2. Tong ST, Liaw WR, Lail Kashiri P, et al. Clinician experiences with screening for social needs in primary care. Original Research: <https://www.jabfm.org/content/31/3/351>
3. Kato E, Borsky AE, Zuvekas SH, Soni A, Ngo-Metzger Q. Missed opportunities for depression screening and treatment in the United States. Original Research: <https://www.jabfm.org/content/31/3/389>

July/August 2018

1. Blechter B, Jiang N, Cleland C, Berry C, Ogedegbe O, Shelley D. Correlates of burnout in small independent primary care practices in an urban setting. Original Research: <https://www.jabfm.org/content/31/4/529>
2. Williams AS, Ge B, Petroski G, Kruse RL, McElroy JA, Koopman RJ. Socioeconomic status and other factors associated with childhood obesity. Original Research: <https://www.jabfm.org/content/31/4/514>
3. Kaplan AC, Carson MP. Diagnosing meat allergy after tick bite without delay. Brief Report: <https://www.jabfm.org/content/31/4/650>

September/October 2018

1. Blasi PR, Crompton D, McDonald S, et al. Approaches to behavioral health integration at high performing primary care practices. Original Research: <https://www.jabfm.org/content/31/5/691>
2. Hanba C, Hanba D. Opioid and drug prevalence in Top 40's music: a 30 year review. Original Research: <https://www.jabfm.org/content/31/5/761>
3. Chang L, Wanner KJ, Kovalsky D, Smith KL, Rhodes KV. "It's really overwhelming": patient perspectives on care coordination. Original Research: <https://www.jabfm.org/content/31/5/682>

November/December 2018

1. Peabody MR, Eden AR, Douglas M, Phillips RL. Board certified family physician workforce: progress in racial and ethnic diversity. Policy Brief: <https://www.jabfm.org/content/31/6/842>
2. Mutter JB, Liaw W, Moore MA, Etz RS, Howe A, Bazemore A. Core principles to improve primary care quality management. Health Policy: <https://www.jabfm.org/content/31/6/931>
3. Peters JL, Durand WM, Monteiro KA, Dumenco L, George P. Opioid overdose hospitalizations among Medicare-disability beneficiaries. Original Research: <https://www.jabfm.org/content/31/6/881>

Source: Content usage statistics for the *JABFM*, January 2018 through December 2018, HighWire Press. Accessed February 20, 2019. Rankings are updated monthly and based on 'hits' received by articles archived on the *JABFM* website only.

14. Hanba C, Hanba D. Opioid and drug prevalence in Top 40's music: A 30 year review. *J Am Board Fam Med* 2018;31:761-7.
15. Chang L, Wanner KJ, Kovalsky D, Smith KL, Rhodes KV. "It's really overwhelming": Patient perspectives on care coordination. *J Am Board Fam Med* 2018;31:682-90.
16. Peabody MR, Eden AR, Douglas M, Phillips RL. Board certified family physician workforce: Progress in racial and ethnic diversity. *J Am Board Fam Med* 2018;31:842-3.
17. Mutter JB, Liaw W, Moore MA, Etz RS, Howe A, Bazemore A. Core principles to improve primary care quality management. *J Am Board Fam Med* 2018;31:931-40.
18. Peters JL, Durand WM, Monteiro KA, Dumenco L, George P. Opioid overdose hospitalizations among medicare-disability beneficiaries. *J Am Board Fam Med* 2018;31:881-96.
19. Ely JW, Osheroff JA, Chambliss ML, Ebell MH. Approach to leg edema of unclear etiology. *J Am Board Fam Med* 2006;19:148-60.

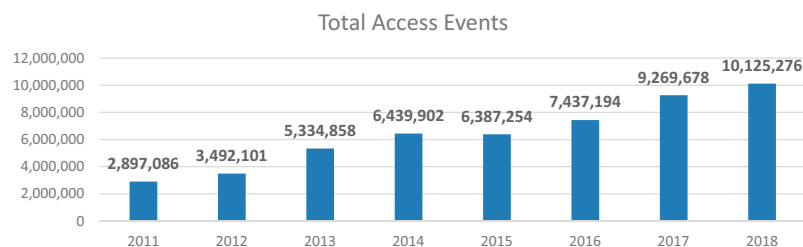
Table 2. The 20 Most Frequently Read Articles in the *Journal of the American Board of Family Medicine* in 2018, 1988 to 2018, Volumes 1 to 31

1. Ely JW, Osheroff JA, Chambliss ML, Ebell MH. Approach to leg edema of unclear etiology. **Evidence-Based Clinical Medicine:** <https://www.jabfm.org/content/19/2/148>
2. Mork AA, Haufe SMW, Yancey WB. Sometimes (what seems to be) a heart attack is (really) a pain in the neck. **Brief Report:** <https://www.jabfm.org/content/17/1/74>
3. McDonald MH, Hoffman MR, Gentry LR. When is fluid in the mastoid cells a worrisome finding? **Brief Report:** <https://www.jabfm.org/content/26/2/218>
4. Panjwani S. Early diagnosis and treatment of discoid lupus erythematosus. **Brief Report:** <https://www.jabfm.org/content/22/2/206>
5. Barnes MG, Ledford C, Hogan K. A “needling” problem: shoulder injury related to vaccine administration. **Brief Report:** <https://www.jabfm.org/content/25/6/919>
6. Ely JW, Kennedy CM, Clark EC, Bowdler NC. Abnormal uterine bleeding: a management algorithm. **Evidence-Based Clinical Medicine:** <https://www.jabfm.org/content/19/6/590>
7. Derby R, Rohal P, Jackson C, Beutler A, Olsen C. Novel treatment of onychomycosis using over-the-counter mentholated ointment: a clinical case series. **Original Research:** <https://www.jabfm.org/content/24/1/69>
8. Kalichman L, Vulfsons S. Dry needling in the management of musculoskeletal pain. **Clinical Review:** <https://www.jabfm.org/content/23/5/640>
9. Leung L. Cannabis and its derivatives: Review of medical use. **Special Communication:** <https://www.jabfm.org/content/24/4/452>
10. Kerr PL, Muehlenkamp JJ, Turner JM. Nonsuicidal self-injury: a review of current research for family medicine and primary care physicians. **Clinical Review:** <https://www.jabfm.org/content/23/2/240>
11. DeFroda SF, Lamin E, Gil JA, Sindhu K, Ritterman S. Antibiotic prophylaxis for patients with a history of total joint replacement. **Clinical Review:** <https://www.jabfm.org/content/29/4/500>
12. Kulie T, Groff A, Redmer J, Hounshell J, Schrage S. Vitamin D: an evidence-based review. **Evidence-Based Clinical Medicine:** <https://www.jabfm.org/content/22/6/698>
13. Saliba W, El-Haddad B. Secondary hyperparathyroidism: pathophysiology and treatment. **Clinical Review:** <https://www.jabfm.org/content/22/5/574>
14. Matheson EM, King DE, Everett CJ. Healthy lifestyle habits and mortality in overweight and obese individuals. **Original Research:** <https://www.jabfm.org/content/25/1/9>
15. Sloane PD, Baldwin R, Montgomery R, Hargett F, Hartzema A. Left-sided leg edema of the elderly: a common variant of the iliac compression syndrome. **Original Research:** <https://www.jabfm.org/content/6/1/1>
16. Krivoshto IN, Richards JR, Albertson TE, Derlet RW. The toxicity of diesel exhaust: implications for primary care. **Clinical Review:** <https://www.jabfm.org/content/21/1/55>
17. Chien AL, Qi J, Rainer B, Sachs DL, Helfrich YR. Treatment of acne in pregnancy. **Clinical Review:** <https://www.jabfm.org/content/29/2/254>
18. Holve RL, Barkan H. Oral steroids in initial treatment of acute sciatica. **Brief Report:** <https://www.jabfm.org/content/21/5/469>
19. Chauhan B, Panchal P, Szabo E, Wilkins T. Split peroneus brevis tendon: an unusual cause of ankle pain and instability. **Brief Report:** <https://www.jabfm.org/content/27/2/297>
20. Leung L, Riutta T, Kotecha J, Rosser W. Chronic constipation: an evidence-based review. **Clinical Review:** <https://www.jabfm.org/content/24/4/436>

Source: Content usage statistics for the *JABFM*, January 2018 through December 2018, HighWire Press. Accessed February 20, 2019. Rankings are updated monthly and based on ‘hits’ received by articles archived on the *JABFM* Web site only.

- | | |
|---|--|
| <ol style="list-style-type: none"> 20. Mork AA, Haufe SMW, Yancey WB. Sometimes (what seems to be) a heart attack is (really) a pain in the neck. <i>J Am Board Fam Med</i> 2004;17:74–7. 21. McDonald MH, Hoffman MR, Gentry LR. When is fluid in the mastoid cells a worrisome finding? <i>J Am Board Fam Med</i> 2013;26:218–20. 22. Panjwani S. Early diagnosis and treatment of discoid lupus erythematosus. <i>J Am Board Fam Med</i> 2009; 22(2):206–13. 23. Barnes MG, Ledford C, Hogan K. A “needling” problem: Shoulder injury related to vaccine administration. <i>J Am Board Fam Med</i> 2012;25(6): 919–22. | <ol style="list-style-type: none"> 24. Ely JW, Kennedy CM, Clark EC, Bowdler NC. Abnormal uterine bleeding: A management algorithm. <i>J Am Board Fam Med</i> 2006;19:590–602. 25. Derby R, Rohal P, Jackson C, Beutler A, Olsen C. Novel treatment of onychomycosis using over-the-counter mentholated ointment: A clinical case series. <i>J Am Board Fam Med</i> 2011;24:69–74. 26. Kalichman L, Vulfsons S. Dry needling in the management of musculoskeletal pain. <i>J Am Board Fam Med</i> 2010;23:640–6. 27. Leung L. Cannabis and its derivatives: Review of medical use. <i>J Am Board Fam Med</i> 2011;24:452–62. |
|---|--|

Figure 1. Total access events for *Journal of the American Board of Family Medicine (JABFM)* content from 2010 to 2018. An access event occurs each time a user opens a new screen on the Web site. Source, Content usage statistics for the *JABFM*, 2010 to 2018, HighWire Press. Accessed February 20, 2019.



28. Kerr PL, Muehlenkamp JJ, Turner JM. Nonsuicidal self-injury: A review of current research for family medicine and primary care physicians. *J Am Board Fam Med* 2010;23:240–59.
29. DeFroda SF, Lamin E, Gil JA, Sindhu K, Ritterman S. Antibiotic prophylaxis for patients with a history of total joint replacement. *J Am Board Fam Med* 2016;29:500–7.
30. Kulie T, Groff A, Redmer J, Hounshell J, Schrage S. Vitamin D: an evidence-based review. *J Am Board Fam Med* 2009;22:698–706.
31. Saliba W, El-Haddad B. Secondary hyperparathyroidism: Pathophysiology and treatment. *J Am Board Fam Med* 2009;22:574–81.
32. Matheson EM, King DE, Everett CJ. Healthy lifestyle habits and mortality in overweight and obese individuals. *J Am Board Fam Med* 2012;25:9–15.
33. Sloane PD, Baldwin R, Montgomery R, Hargett F, Hartzema A. Left-sided leg edema of the elderly: A common variant of the iliac compression syndrome. *J Am Board Fam Med* 1993;6:1–4.
34. Krivoshto IN, Richards JR, Albertson TE, Derlet RW. The toxicity of diesel exhaust: Implications for primary care. *J Am Board Fam Med* 2008;21:55–62.
35. Chien AL, Qi J, Rainer B, Sachs DL, Helfrich YR. Treatment of acne in pregnancy. *J Am Board Fam Med* 2016;29:254–62.
36. Holve RL, Barkan H. Oral steroids in initial treatment of acute sciatica. *J Am Board Fam Med* 2008; 21:469–74.
37. Chauhan B, Panchal P, Szabo E, Wilkins T. Split peroneus brevis tendon: An unusual cause of ankle pain and instability. *J Am Board Fam Med* 2014;27: 297–302.
38. Leung L, Riutta T, Kotecha J, Rosser W. Chronic constipation: An evidence-based review. *J Am Board Fam Med* 2011;24:436–51.